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(71) Applicant (for all designated States except US): SJAAS-
TAD AS [NO/NO]; N-6750 Stadlandet (NO).

(72) Inventors; and

(75) Inventors/Applicants (for US only): SJÅSTAD, Anfinn
[NO/NO]; N-6750 Stadlandet (NO). SJÅSTAD, Nils, Per
[NO/NO]; N-6750 Stadlandet (NO).

(74) Agents: EILERTSEN, Hege et al.; Onsagers AS, P.O.
Box 265 Sentrum, N-0103 Oslo (NO).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ,
DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,
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(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,
IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG,
CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(88) Date of publication of the international search report:
23 August 2001

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: FISHBAIT

(57) Abstract: The present invention relates to the use of a natural polymer in bait/fish feed, the natural polymer according to the present invention being expanded and odour and/or taste added which attracts fish. The expansion is carried out by the use of a suitable device when the polymer has to be employed as bait or fish feed. In a specially preferred embodiment starch, such as maize or rice starch, is employed, possibly together with a filler.

WO 01/13738 A3

INTERNATIONAL SEARCH REPORT

International Application No

PCT/NO 00/00249

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A23K1/18 A01K85/00 A01K97/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A23K A01K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, CHEM ABS Data, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 96 28021 A (NORBAIT DA) 19 September 1996 (1996-09-19) page 2, line 3 - line 33; claims 1,4 abstract	1-8
X	EP 0 137 748 A (DOW CHEMICAL CO) 17 April 1985 (1985-04-17) the whole document	1,4-8
A	---	2,3
X	DATABASE WPI Section Ch, Week 198303 Derwent Publications Ltd., London, GB; Class C03, AN 1983-05982K XP002901420 & JP 57 198053 A (WORLD PROD YG), 4 December 1982 (1982-12-04) abstract	1

	-/-	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

2 3. 02. 01

Date of mailing of the international search report

2 9. 03. 01

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Dagmar Järvman/GH

INTERNATIONAL SEARCH REPORT

International Application No

PCT/NO 00/00249

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 413 014 A (MELANCON RONALD D) 1 November 1983 (1983-11-01) the whole document ---	1-8
A	DATABASE WPI Section Ch, Week 198303 Derwent Publications Ltd., London, GB; Class C03, AN 1983-05981K XP002901421 & JP 57 198052 A (NIPPON NOSAN KOGYO KK), 4 December 1982 (1982-12-04) abstract ---	1-8
A	DE 32 24 365 C (MUELLER EDMUND) 12 September 1985 (1985-09-12) the whole document -----	1-8

INTERNATIONAL SEARCH REPORT

Information on patent family members

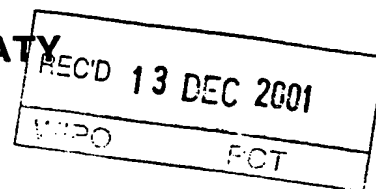
International Application No

PCT/NO 00/00249

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9628021 A	19-09-1996	AU 692373 B	04-06-1998
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		NZ 303259 A	25-02-1999
		PL 322274 A	19-01-1998
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		DK 457684 A,B,	27-03-1985
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		ZA 8407498 A	28-05-1986
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US 4413014 A	01-11-1983	NONE	
JP 57198052 A	04-12-1982	NONE	
DE 3224365 C	05-01-1984	DE 3224365 A	05-01-1984

PATENT COOPERATION TREATY

PCT



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

14



Applicant's or agent's file reference 112399SJ /sko	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/NO00/00249	International filing date (day/month/year) 26/07/2000	Priority date (day/month/year) 23/08/1999
International Patent Classification (IPC) or national classification and IPC A23K1/18		
Applicant SJASTAD INDUSTRIER AS et al.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 5 sheets, including this cover sheet.
 - ☒ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 1 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☒ Certain observations on the international application

Date of submission of the demand 19/03/2001	Date of completion of this report 11.12.2001
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer Lindner, A Telephone No. +49 89 2399 8640 

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/NO00/00249

I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

Description, pages:

1-4 as originally filed

Claims, No.:

1-7 with telefax of 27/11/2001

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:
- ☐ the drawings, sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/NO00/00249

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes:	Claims	2
	No:	Claims	1, 3-7
Inventive step (IS)	Yes:	Claims	2
	No:	Claims	
Industrial applicability (IA)	Yes:	Claims	1-7
	No:	Claims	

2. Citations and explanations
see separate sheet

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:
see separate sheet

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/NO00/00249

Re Item V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Reference is made to the following documents:
D1: WO 96 28021 A (NORBAIT DA) 19 September 1996 (1996-09-19)
D2: EP-A-0 137 748 (DOW CHEMICAL CO) 17 April 1985 (1985-04-17)
D3: DATABASE WPI Section Ch, Week 198303 Derwent Publications Ltd., London, GB; Class C03, AN 1983-05982K XP002901420 & JP 57 198053 A (WORLD PROD YG), 4 December 1982 (1982-12-04)
D4: US-A-4 413 014 (MELANCON RONALD D) 1 November 1983 (1983-11-01)
2. D1 discloses the use of a natural polymer, preferably alginate in combination with natural material as fishbait (D1: p. 2, l. 3-33). In this context, it is noted that the alginate is swollen (=expanded) with water before use (D1: p. 2, l. 21-22). As a consequence, D1 destroys the novelty of independent claim 1 (Article 33(2) PCT). It is additionally noted that alginate is considered a natural polymer.
3. D2 relates to fishbait comprising a cellulose ether or polyvinyl alcohol in which an olfactory stimulant is dispersed (D2: p. 3, l. 13 - p. 4, l. 2). The polymer forms a hydrated gel-like layer when immersed in water (D2: paragraph bridging p. 2 and 3).
4. Likewise, the fishbait according to D3, comprising, among others, gelled glucomannan and fishmeat extract anticipates the subject-matter of present claim 1 (Article 33(2) PCT).
5. D4 discloses a porous dried corn ear further comprising a fish attractant as fishbait (D4: claim 1; col. 1, l. 6-10).
6. The subject-matter of claim 2 which is limited to starch meets the requirements of Article 33(2) and (3) PCT, as none of the above cited documents relates to or renders obvious the use of starch in expanded form with added odour and/or taste additive which attracts fish, as bait or fish feed.

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/NO00/00249

7. With regard to dependent claims 3-8, it is noted that a positive opinion can only be given, if they refer to independent claims that meet the requirements of the PCT.

Re Item VIII

Certain observations on the international application

8. It appears that claim 1 should read 'The use of natural polymer ... which attracts fish as bait or fish feed,...'

PATENT CLAIMS

1. The use of natural polymer in expanded form, with added odour and/or taste additive which attracts fish, to bait or fish feed, where the natural polymer is a biopolymer and preferably starch.
- 5 2. The use of natural polymer according to claim 1, where the starch is preferably maize or rice starch.
3. The use of natural polymer according to claims 1-2, where the natural polymer is in the form of pieces or pellets before expansion.
- 10 4. The use of natural polymer according to claim 3, where filler is added to the natural polymer.
5. The use of natural polymer according to claims 1-4, where the odour and/or taste-producing additive which attracts fish is added to the pieces or pellets.
- 15 6. The use of natural polymer according to claims 1-4, where the odour and/or taste-producing additive which attracts fish is added during expansion.
7. The use of natural polymer according to claims 1-4, where the odour and/or taste-producing additive which attracts fish is added in expanded form.

PATENT COOPERATION TREATY

10/069252

PCT

From the INTERNATIONAL BUREAU

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

To:

EILERTSEN, Hege
Onsagers AS
P.O. Box 265 Sentrum
N-0103 Oslo
NORVÈGE

RECEIVED

SEP 09 2002

GROUP 3600

Date of mailing (day/month/year) 23 July 2002 (23.07.02)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference 112399SJÅ2T	
International application No. PCT/NO00/00249	International filing date (day/month/year) 26 July 2000 (26.07.00)

1. The following indications appeared on record concerning:		
<input checked="" type="checkbox"/> the applicant	<input type="checkbox"/> the inventor	<input type="checkbox"/> the agent
<input type="checkbox"/> the common representative		
Name and Address SJAASTAD AS N-6750 Stadlandet Norway	State of Nationality NO	State of Residence NO
	Telephone No. +47 57 85 84 60	
	Facsimile No. +47 57 85 84 66	
	Teleprinter No.	
2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:		
<input type="checkbox"/> the person	<input checked="" type="checkbox"/> the name	<input type="checkbox"/> the address
<input type="checkbox"/> the nationality		
<input type="checkbox"/> the residence		
Name and Address SJÅSTAD INDUSTRIER DA N-6750 Stadlandet Norway	State of Nationality NO	State of Residence NO
	Telephone No. +47 57 85 84 60	
	Facsimile No. +47 57 85 84 66	
	Teleprinter No.	
3. Further observations, if necessary: Assignment.		
4. A copy of this notification has been sent to:		
<input checked="" type="checkbox"/> the receiving Office	<input type="checkbox"/> the designated Offices concerned	
<input type="checkbox"/> the International Searching Authority	<input checked="" type="checkbox"/> the elected Offices concerned	
<input type="checkbox"/> the International Preliminary Examining Authority	<input type="checkbox"/> other:	

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Lucia T.-PALUMBO (Fax 338-87-20)
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

To:

Commissioner
 US Department of Commerce
 United States Patent and Trademark
 Office, PCT
 2011 South Clark Place Room
 CP2/5C24
 Arlington, VA 22202
 ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

Date of mailing (day/month/year)

23 May 2001 (23.05.01)

International application No.

PCT/NO00/00249

Applicant's or agent's file reference

112399SJÅ2T

International filing date (day/month/year)

26 July 2000 (26.07.00)

Priority date (day/month/year)

23 August 1999 (23.08.99)

Applicant

SJÅSTAD, Anfinn et al

1. The designated Office is hereby notified of its election made:



in the demand filed with the International Preliminary Examining Authority on:

19 March 2001 (19.03.01)



in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was

was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO
 34, chemin des Colombettes
 1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

Charlotte ENGER

Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY

PCT

From the INTERNATIONAL BUREAU

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

To:

EILERTSEN, Hege
Onsagers AS
P.O. Box 265 Sentrum
N-0103 Oslo
NORVÈGE

Date of mailing (day/month/year) 18 April 2001 (18.04.01)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference 112399SJÅ2T	
International application No. PCT/NO00/00249	International filing date (day/month/year) 26 July 2000 (26.07.00)

1. The following indications appeared on record concerning:

☒ the applicant

 ☐ the inventor

 ☐ the agent

 ☐ the common representative

Name and Address SJÅSTAD INDUSTRIER AS N-6750 Stadlandet Norway	State of Nationality NO	State of Residence NO
	Telephone No. +47 57 85 84 60	
	Facsimile No. +47 57 85 84 66	
	Teleprinter No.	

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☒ the person

 ☒ the name

 ☒ the address

 ☐ the nationality

 ☐ the residence

Name and Address SJÅASTAD AS 6750 Stadlandet N-1441 Selje Norway	State of Nationality NO	State of Residence NO
	Telephone No. +47 57 85 84 60	
	Facsimile No. +47 57 85 84 66	
	Teleprinter No.	

3. Further observations, if necessary:

4. A copy of this notification has been sent to:

<input checked="" type="checkbox"/> the receiving Office	<input checked="" type="checkbox"/> the designated Offices concerned
<input type="checkbox"/> the International Searching Authority	<input type="checkbox"/> the elected Offices concerned
<input type="checkbox"/> the International Preliminary Examining Authority	<input type="checkbox"/> other:

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Beatriz LARGO
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY

PCT

From the INTERNATIONAL BUREAU

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

To:

EILERTSEN, Hege
Onsagers AS
P.O. Box 265 Sentrum
N-0103 Oslo
NORVÈGE

Date of mailing (day/month/year) 02 May 2001 (02.05.01)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference 112399SJÅ2T	
International application No. PCT/NO00/00249	International filing date (day/month/year) 26 July 2000 (26.07.00)

1. The following indications appeared on record concerning: <input checked="" type="checkbox"/> the applicant <input type="checkbox"/> the inventor <input type="checkbox"/> the agent <input type="checkbox"/> the common representative		
Name and Address SJAASTAD AS 6750 Stadlandet N-1441 Selje Norway	State of Nationality NO	State of Residence NO
	Telephone No. +47 57 85 84 60	
	Facsimile No. +47 57 85 84 66	
	Teleprinter No.	
2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning: <input type="checkbox"/> the person <input type="checkbox"/> the name <input checked="" type="checkbox"/> the address <input type="checkbox"/> the nationality <input type="checkbox"/> the residence		
Name and Address SJAASTAD AS N-6750 Stadtlandet Norway	State of Nationality NO	State of Residence NO
	Telephone No. +47 57 85 84 60	
	Facsimile No. +47 57 85 84 66	
	Teleprinter No.	
3. Further observations, if necessary:		
4. A copy of this notification has been sent to: <input checked="" type="checkbox"/> the receiving Office <input checked="" type="checkbox"/> the designated Offices concerned <input type="checkbox"/> the International Searching Authority <input type="checkbox"/> the elected Offices concerned <input type="checkbox"/> the International Preliminary Examining Authority <input type="checkbox"/> other:		

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer Beatriz LARGO Telephone No.: (41-22) 338.83.38
---	---

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

EILERTSEN, Hege
Onsagers AS
P.O. Box 265 Sentrum
N-0103 Oslo
NORVÈGE

Date of mailing (day/month/year) 25 April 2001 (25.04.01)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference 112399SJÅ2T	
International application No. PCT/NO00/00249	International filing date (day/month/year) 26 July 2000 (26.07.00)

1. The following indications appeared on record concerning:

☒ the applicant

 ☐ the inventor

 ☐ the agent

 ☐ the common representative

Name and Address SJÅSTAD INDUSTRIER AS N-6750 Stadlandet Norway	State of Nationality NO	State of Residence NO
	Telephone No. +47 57 85 84 60	
	Facsimile No. +47 57 85 84 66	
	Teleprinter No.	

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☐ the person

 ☒ the name

 ☒ the address

 ☐ the nationality

 ☐ the residence

Name and Address SJÅASTAD AS 6750 Stadlandet N-1441 Selje Norway	State of Nationality NO	State of Residence NO
	Telephone No. +47 57 85 84 60	
	Facsimile No. +47 57 85 84 66	
	Teleprinter No.	

3. Further observations, if necessary:

4. A copy of this notification has been sent to:

<input checked="" type="checkbox"/> the receiving Office	<input checked="" type="checkbox"/> the designated Offices concerned
<input type="checkbox"/> the International Searching Authority	<input type="checkbox"/> the elected Offices concerned
<input type="checkbox"/> the International Preliminary Examining Authority	<input type="checkbox"/> other:

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Beatriz LARGO
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38